





PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P801371/WO/1	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)						
International application No.	International filing date (day/month/year) Priority date (day/m		Priority date (day/month/year)				
PCT/EP2003/007047	02 July 2003 (02.07.2003)		04 July 2002 (04.07.2002)				
International Patent Classification (IPC) or national classification and IPC B08B 1/00							
Applicant DAIMLERCHRYSLER AG							
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of5 sheets, including this cover sheet. 							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets.							
This report contains indications rel							
1	Davis after wound						
II Priority	II Priority						
III Non-establishme	nt of opinion with regard to nove	elty, inventive	step and industrial applicability				
IV Lack of unity of	invention						
V Reasoned statem citations and exp	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
VI Certain documen	Contain de consente ette d						
VII Certain defects in	n the international application						
VIII Certain observati	VIII Certain observations on the international application						
Date of submission of the demand		Date of completion of this report					
18 December 2003 (18	.12.2003)	25 N	Tovember 2004 (25.11.2004)				
Name and mailing address of the IPEA/El	Auth	orized officer					
Facsimile No.	Teler	hone No.					

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Internat pplication No.				
PCT/EP2003/007047				

I. Basis of the	I. Basis of the report				
1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):					
	the international	application as or	riginally filed.		
\boxtimes	the description,	pages	1-14	, as originally filed,	
				, filed with the demand,	į.
					•
		pages		, filed with the letter of	· .
\boxtimes	the claims,	Nos		, as originally filed,	
دع		Nos.		, as amended under Article	19,
		Nos		, filed with the demand,	
					28 September 2004 (28.09.2004) ,
		Nos		, filed with the letter of _	·
\boxtimes	the drawings,	sheets/fig	1/4-4/4	, as originally filed,	
		sheets/fig		, filed with the demand,	
		sheets/fig		, filed with the letter of	, ,
		sheets/fig		, filed with the letter of	·
2. The amend	dments have resul	ted in the cancel	lation of:		
	the description,	pages			
	the claims,	Nos.			
	the drawings,	sheets/fig			
3. Thi	is report has been o	established as if losure as filed, a	(some of) the and in the sindicated in the	endments had not been mad E Supplemental Box (Rule 7	de, since they have been considered (0.2(c)).
4. Additiona	al observations, if	necessary:			
			•		

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

Statement			
Novelty (N)	Claims	1-28	YES
	Claims		NO
Inventive step (IS)	Claims	1-28	YES
	Claims		NO NO
Industrial applicability (IA)	Claims	1-28	YES
	Claims		NO NO
	Novelty (N) Inventive step (IS)	Novelty (N) Claims Claims Inventive step (IS) Claims Claims Industrial applicability (IA) Claims	Novelty (N) Claims 1-28 Claims 1-28 Inventive step (IS) Claims 1-28 Claims 1-28 Industrial applicability (IA) Claims 1-28

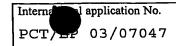
2. Citations and explanations

Reference is made to the following documents:
D1: WO 95/04203 A (KRISTIANSEN MORTEN; DAMBERG FINN (DK))
9 February 1995

D2: FR-A-2 674 559 (ONET) 2 October 1992

Document D1, which is considered the prior art closest to the subject matter of claim 1, discloses (the references in parentheses relate to said document) a method and device for cleaning a surface of a component (12) using a cleaning device (1), wherein the component surface is cleaned by a cleaning head (13) that can be moved by a positioning device whilst generating pressure to press the cleaning head onto the component, the positioning device has a rough positioning system (7, 8, 9) and a fine positioning system (11), and the cleaning head is moved in a force-controlled manner by the fine positioning system in one direction of movement (28).

The subject matter of claims 1 and 8 differs therefore from the known method and device in that the cleaning head has a three-dimensionally extending cleaning surface and at least one stop shoulder whose cleaning stop surface can be moved frontally onto an edge of the component whilst



generating pressure, the cleaning head being moved along at least one axis of movement by a fine positioning system within a predetermined tolerance window.

The subject matter of claims 1 and 8 is therefore novel (PCT Article 33(2)).

The problem addressed by the present invention can therefore be considered that of enabling front and rear component surfaces to be cleaned in an operationally safe and quick manner by the cleaning head in a single wipe process.

The solution to this problem proposed in claims 1 and 8 of the present application involves an inventive step (PCT Article 33(3)) since documents D1 and D2 relate merely to the cleaning of even surfaces.

Claims 2 to 7 and 9 to 28 are dependent on claim 1 and therefore likewise meet the PCT novelty and inventive step requirements.